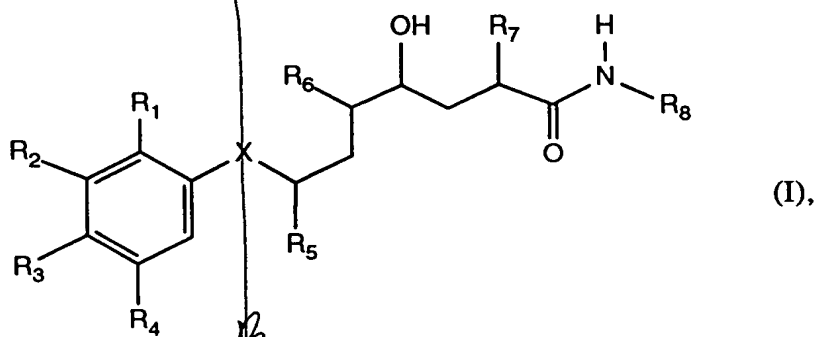


What is claimed is:

1. A novel δ -amino- γ -hydroxy- α -aryl-alkanoic acid amide of formula I



wherein

- R_1 is hydrogen, hydroxy, lower alkoxy, cycloalkoxy, lower alkoxy-lower alkoxy or free or esterified or amidated carboxy-lower alkoxy,
- R_2 is hydrogen, lower alkyl, cycloalkyl, lower alkoxy-lower alkyl, lower alkoxy-lower alkoxy-lower alkyl, cycloalkoxy-lower alkyl, hydroxy, optionally lower alkanoylated, halogenated or sulfonylated hydroxy-lower alkoxy; amino-lower alkyl that is unsubstituted or substituted by lower alkyl, by lower alkanoyl and/or by lower alkoxycarbonyl; optionally hydrogenated heteroaryl-lower alkyl; amino-lower alkoxy that is substituted by lower alkyl, by lower alkanoyl and/or by lower alkoxycarbonyl; oxo-lower alkoxy, lower alkoxy, cycloalkoxy, lower alkenyloxy, cycloalkoxy-lower alkoxy, lower alkoxy-lower alkoxy, lower alkoxy-lower alkenyl, lower alkenyloxy-lower alkoxy, lower alkoxy-lower alkenyloxy, lower alkenyloxy-lower alkyl, lower alkanoyl-lower alkoxy, optionally S-oxidised lower alkylthio-lower alkoxy, lower alkylthio-(hydroxy)-lower alkoxy, aryl-lower alkoxy, optionally hydrogenated heteroaryl-lower alkoxy, cyano-lower alkoxy, free or esterified or amidated carboxy-lower alkoxy or free or esterified or amidated carboxy-lower alkyl,
- R_3 is optionally halogenated lower alkyl, lower alkoxy-lower alkyl, cycloalkoxy-lower alkyl, hydroxy-lower alkyl, optionally S-oxidised lower alkylthio-lower alkyl, optionally hydrogenated heteroarylthio-lower alkyl, optionally hydrogenated heteroaryl-lower alkyl; amino-lower alkyl that is unsubstituted or N-mono- or N,N-di-lower alkylated, N-lower alkanoylated or N-lower alkanesulfonylated or N,N-disubstituted by lower alkylene, by unsubstituted or N'-lower alkylated or N'-lower alkanoylated aza-lower alkylene, by oxa-lower alkylene or by optionally S-oxidised thia-lower alkylene; cyano-lower alkyl, free or esterified or amidated carboxy-lower alkyl,

cycloalkyl, aryl, hydroxy, lower alkoxy, cycloalkoxy, lower alkoxy-lower alkoxy, cycloalkoxy-lower alkoxy, hydroxy-lower alkoxy, aryl-lower alkoxy, optionally halogenated lower alkoxy, optionally S-oxidised lower alkylthio-lower alkoxy, optionally hydrogenated heteroaryl-lower alkoxy, optionally hydrogenated heteroarylthio-lower alkoxy; amino-lower alkoxy that is unsubstituted or N-mono- or N,N-di-lower alkylated, N-lower alkanoylated or N-lower alkanesulfonylated or substituted by lower alkylene, by unsubstituted or N'-lower alkylated or N'-lower alkanoylated aza-lower alkylene, by oxa-lower alkylene or by optionally S-oxidised thia-lower alkylene; cyano-lower alkoxy or free or esterified or amidated carboxy-lower alkoxy, or together with R₄ is lower alkylenedioxy or a fused-on benzo or cyclohexeno ring, R₄ together with R₃ is lower alkylenedioxy or a fused-on benzo or cyclohexeno ring, or is hydrogen, lower alkyl, hydroxy, lower alkoxy or cycloalkoxy, X is methylene or hydroxymethylene, R₅ is lower alkyl or cycloalkyl, R₆ is unsubstituted or N-mono- or N,N-di-lower alkylated or N-lower alkanoylated amino, R₇ is lower alkyl, lower alkenyl, cycloalkyl or aryl-lower alkyl, and R₈ is lower alkyl, cycloalkyl, free or aliphatically esterified or etherified hydroxy-lower alkyl; amino-lower alkyl that is unsubstituted or N-lower alkanoylated or N-mono- or N,N-di-lower alkylated or N,N-disubstituted by lower alkylene, by hydroxy-, lower alkoxy- or lower alkanoyloxy-lower alkylene, by unsubstituted or N'-lower alkanoylated or N'-lower alkylated aza-lower alkylene, by oxa-lower alkylene or by optionally S-oxidised thia-lower alkylene; free or esterified or amidated carboxy-lower alkyl, free or esterified or amidated dicarboxy-lower alkyl, free or esterified or amidated carboxy-(hydroxy)-lower alkyl, free or esterified or amidated carboxycycloalkyl-lower alkyl, cyano-lower alkyl, lower alkanesulfonyl-lower alkyl, unsubstituted or N-mono- or N,N-di-lower alkylated thiocarbamoyl-lower alkyl, unsubstituted or N-mono- or N,N-di-lower alkylated sulfamoyl-lower alkyl, or a heteroaryl radical bonded *via* a carbon atom and optionally hydrogenated and/or oxo-substituted, or lower alkyl substituted by a heteroaryl radical bonded *via* a carbon atom and optionally hydrogenated and/or oxo-substituted, or a salt thereof.

2. A compound according to claim 1 of formula I wherein

R₁ is hydrogen, hydroxy, lower alkoxy, cycloalkoxy, lower alkoxy-lower alkoxy, carboxy-lower alkoxy, lower alkoxycarbonyl-lower alkoxy, carbamoyl-lower alkoxy

Sub B'

- or N-mono- or N,N-di-lower alkylcarbamoyl-lower alkoxy,
- R₂ is hydrogen, lower alkyl, cycloalkyl, lower alkoxy-lower alkyl, lower alkoxy-lower alkoxy-lower alkyl, cycloalkoxy-lower alkyl, hydroxy, lower alkanoyloxy-lower alkyl, hydroxy-lower alkoxy, halo-(hydroxy)-lower alkoxy, lower alkanesulfonyl-(hydroxy)-lower alkoxy, amino-lower alkyl, lower alkylamino-lower alkyl, di-lower alkylamino-lower alkyl, lower alkanoylamino-lower alkyl, lower alkoxycarbonyl-amino-lower alkyl, amino-lower alkoxy, lower alkylamino-lower alkoxy, di-lower alkylamino-lower alkoxy, lower alkanoylamino-lower alkoxy, lower alkoxycarbonyl-amino-lower alkoxy, oxo-lower alkoxy, lower alkoxy, cycloalkoxy, lower alkenyloxy, cycloalkoxy-lower alkoxy, lower alkoxy-lower alkoxy, lower alkoxy-lower alkenyl, lower alkenyloxy-lower alkoxy, lower alkoxy-lower alkenyloxy, lower alkenyloxy-lower alkyl, lower alkanoyl-lower alkoxy, lower alkylthio-lower alkoxy, lower alkanesulfonyl-lower alkoxy, lower alkylthio-(hydroxy)-lower alkoxy, aryl-lower alkoxy, thiazolylthio-lower alkoxy or thiazolinylthio-lower alkoxy, imidazolylthio-lower alkoxy, optionally N-oxidised pyridylthio-lower alkoxy, pyrimidinylthio-lower alkoxy, cyano-lower alkoxy, lower alkoxycarbonyl-lower alkoxy, carbamoyl-lower alkoxy, N-mono- or N,N-di-lower alkylcarbamoyl-lower alkoxy, carboxy-lower alkyl, lower alkoxycarbonyl-lower alkyl, carbamoyl-lower alkyl or N-mono- or N,N-di-lower alkylcarbamoyl-lower alkyl, ~~B~~
- R₃ is lower alkyl, polyhalo-lower alkyl, lower alkoxy-lower alkyl, cycloalkoxy-lower alkyl, hydroxy-lower alkyl, lower alkylthio-lower alkyl, lower alkanesulfonyl-lower alkyl, optionally partially hydrogenated or N-oxidised pyridyl-lower alkyl, thiazolylthio-lower alkyl or thiazolinylthio-lower alkyl, imidazolylthio-lower alkyl, optionally N-oxidised pyridylthio-lower alkyl, pyrimidinylthio-lower alkyl, amino-lower alkyl, lower alkylamino-lower alkyl, di-lower alkylamino-lower alkyl, lower alkanoyl-amino-lower alkyl, lower alkanesulfonylamino-lower alkyl, polyhalo-lower alkane-sulfonylamino-lower alkyl, pyrrolidino-lower alkyl, piperidino-lower alkyl, piperazino-, N'-lower alkylpiperazino- or N'-lower alkanoylpiperazino-lower alkyl, morpholino-lower alkyl, thiomorpholino-, S-oxothiomorpholino- or S,S-dioxothiomorpholino-lower alkyl, cyano-lower alkyl, carboxy-lower alkyl, lower alkoxy-carbonyl-lower alkyl, carbamoyl-lower alkyl, N-mono- or N,N-di-lower alkyl-carbamoyl-lower alkyl, cycloalkyl; phenyl or naphthyl that is unsubstituted or mono-, di- or tri-substituted by lower alkyl, lower alkoxy, hydroxy, lower alkylamino, di-lower alkylamino, halogen and/or by trifluoromethyl; hydroxy, lower alkoxy, cycloalkoxy, lower alkoxy-lower alkoxy, cycloalkoxy-lower alkoxy, hydroxy-lower alkoxy; phenyl-lower alkoxy or naphthyl-lower alkoxy that is unsubstituted or mono-,

di- or tri-substituted by lower alkyl, lower alkoxy, hydroxy, lower alkylamino, di-lower alkylamino, halogen and/or by trifluoromethyl; lower alkoxy, polyhalo-lower alkoxy, lower alkylthio-lower alkoxy, lower alkanesulfonyl-lower alkoxy, optionally hydrogenated heteroaryl-lower alkoxy, optionally partially or fully hydrogenated heteroarylthio-lower alkoxy, such as thiazolylthio-lower alkoxy or thiazolinylthio-lower alkoxy, imidazolylthio-lower alkoxy, optionally N-oxidised pyridylthio-lower alkoxy, pyrimidinylthio-lower alkoxy, amino-lower alkoxy, lower alkylamino-lower alkoxy, di-lower alkylamino-lower alkoxy, lower alkanoylamino-lower alkoxy, lower alkanesulfonylamino-lower alkoxy, polyhalo-lower alkanesulfonylamino-lower alkoxy, pyrrolidino-lower alkoxy, piperidino-lower alkoxy, piperazino-, N'-lower alkylpiperazino- or N'-lower alkanoylpiperazino-lower alkoxy, morpholino-lower alkoxy, thiomorpholino-, S-oxothiomorpholino- or S,S-dioxothiomorpholino-lower alkoxy, cyano-lower alkoxy, carboxy-lower alkoxy, lower alkoxycarbonyl-lower alkoxy, carbamoyl-lower alkoxy or N-mono- or N,N-di-lower alkylcarbamoyl-lower alkoxy, or together with R₄ is lower alkylenedioxy or a fused-on benzo or cyclohexeno ring,

R₄ together with R₃ is lower alkylenedioxy or a fused-on benzo or cyclohexeno ring, or is hydrogen, lower alkyl, hydroxy, lower alkoxy or cycloalkoxy,

X is methylene or hydroxymethylene,

R₅ is lower alkyl or cycloalkyl,

R₆ is amino, lower alkylamino, di-lower alkylamino or lower alkanoylamino,

R₇ is lower alkyl, lower alkenyl, cycloalkyl, or phenyl- or naphthyl-lower alkyl that is unsubstituted or mono-, di- or tri-substituted by lower alkyl, lower alkoxy, hydroxy, lower alkylamino, di-lower alkylamino, halogen and/or by trifluoromethyl, and

R₈ is lower alkyl, cycloalkyl, hydroxy-lower alkyl, lower alkanoyloxy-lower alkyl, lower alkoxy-lower alkyl or lower alkenyloxy-lower alkyl, amino-lower alkyl, lower alkanoylamino-lower alkyl, N-mono- or N,N-di-lower alkylamino-lower alkyl, optionally hydroxylated or lower alkoxyated piperidino-lower alkyl, such as piperidino-lower alkyl, hydroxypiperidino-lower alkyl or lower alkoxypiperidino-lower alkyl, piperazino-, N'-lower alkylpiperazino- or N'-lower alkanoylpiperazino-lower alkyl, unsubstituted or lower alkylated morpholino-lower alkyl, such as morpholino-lower alkyl or dimethylmorpholino-lower alkyl, or optionally S-oxidised thiomorpholino-lower alkyl, such as thiomorpholino-lower alkyl, S,S-dioxothiomorpholino-lower alkyl, carboxy-lower alkyl, lower alkoxycarbonyl-lower alkyl, carbamoyl-lower alkyl, N-mono- or N,N-di-lower alkylcarbamoyl-lower alkyl, dicarboxy-lower alkyl, di-lower alkoxycarbonyl-lower alkyl, dicarbamoyl-lower alkyl, di-(N-mono- or N,N-di-

lower alkylcarbamoyl)-lower alkyl, carboxy-(hydroxy)-lower alkyl, lower alkoxy-carbonyl-(hydroxy)-lower alkyl or carbamoyl-(hydroxy)-lower alkyl, cyano-lower alkyl, lower alkanesulfonyl-lower alkyl, sulfamoyl-lower alkyl, lower alkyl-sulfamoyl-lower alkyl, di-lower alkylsulfamoyl-lower alkyl, thiocarbamoyl-lower alkyl, lower alkylthiocarbamoyl-lower alkyl, di-lower alkylthiocarbamoyl-lower alkyl, pyrrolidinyl, imidazolyl, benzimidazolyl, oxadiazolyl, pyridyl, oxopiperidinyl, quinolinyl, unsubstituted or N-lower alkanoylated piperidyl or pyrrolidinyl, imidazolyl-lower alkyl, benzimidazolyl-lower alkyl, oxadiazolyl-lower alkyl, pyridyl-lower alkyl, unsubstituted or N-lower alkanoylated piperidyl-lower alkyl or pyrrolidinyl-lower alkyl, oxopiperidinyl-lower alkyl, quinolinyl-lower alkyl, morpholinocarbonyl-lower alkyl or unsubstituted or N-lower alkanoylated piperidyl-lower alkyl,
or a salt thereof.

3. A compound according to claim 1 of formula I wherein

Sub 1
R₁ is hydrogen,

R₂ is lower alkyl, lower alkoxy-lower alkyl, lower alkoxy-lower alkoxy, lower alkoxy-lower alkoxy-lower alkyl; phenyl-lower alkoxy that is unsubstituted or substituted by lower alkyl, lower alkoxy, hydroxy, halogen, nitro and/or by amino; optionally N-oxidised pyridyl-lower alkoxy, lower alkylthio-lower alkoxy, lower alkane-sulfonyl-lower alkoxy, lower alkanoyl-lower alkoxy, optionally N-oxidised pyridyl-lower alkoxy, cyano-lower alkoxy, carboxy-lower alkoxy, lower alkoxycarbonyl-lower alkoxy, carbamoyl-lower alkoxy, lower alkylcarbamoyl-lower alkoxy or di-lower alkylcarbamoyl-lower alkoxy,

R₃ is hydrogen, lower alkyl, hydroxy, lower alkoxy or polyhalo-lower alkoxy or together with R₄ is lower alkylenedioxy,

R₄ is hydrogen or together with R₃ is lower alkylidenedioxy,

X is methylene or hydroxymethylene,

R₅ is lower alkyl or cycloalkyl,

R₆ is amino, lower alkylamino, di-lower alkylamino or lower alkanoylamino,

R₇ is lower alkyl, and

R₈ is lower alkyl, hydroxy-lower alkyl, lower alkanoyl-lower alkyl, lower alkoxy-lower alkyl, lower alkenyloxy-lower alkyl, amino-lower alkyl, lower alkanoylamino-lower alkyl, such as 2-(C₁-C₄alkanoylamino)-2-methyl-propyl, such as 2-acetylamino-2-methyl-propyl or 2-formylamino-2-methyl-propyl, N-mono- or N,N-di-lower alkyl-amino-lower alkyl, piperidino-lower alkyl, hydroxypiperidino-lower alkyl, lower

alkoxypiperidino-lower alkyl, morpholino-lower alkyl, dimethylmorpholino-lower alkyl, thiomorpholino-lower alkyl, S,S-dioxothiomorpholino-lower alkyl, carboxy-lower alkyl, lower alkoxycarbonyl-lower alkyl, carbamoyl-lower alkyl, N-mono- or N,N-di-lower alkylcarbamoyl-lower alkyl, carboxy-(hydroxy)-lower alkyl, lower alkoxycarbonyl-(hydroxy)-lower alkyl, carbamoyl-(hydroxy)-lower alkyl, 5- or 6-membered carboxycycloalkyl-lower alkyl, 5- or 6-membered lower alkoxycarbonyl-cycloalkyl-lower alkyl, 5- or 6-membered carbamoylcycloalkyl-lower alkyl, 5- or 6-membered N-mono- or N,N-di-lower alkylcarbamoylcycloalkyl-lower alkyl, cyano-lower alkyl, lower alkanesulfonyl-lower alkyl, sulfamoyl-lower alkyl, lower alkylsulfamoyl-lower alkyl or di-lower alkylsulfamoyl-lower alkyl, imidazolyl-lower alkyl, oxopyrrolidinyl-lower alkyl, benzimidazolyl-lower alkyl, oxadiazolyl-lower alkyl, pyridyl-lower alkyl, oxopiperidinyl-lower alkyl or quinolinyl-lower alkyl, piperidin-4-yl-lower alkyl or 1-C₁-C₇-lower alkanoylpiperidin-4-yl-lower alkyl, or a salt thereof.

4. A compound according to claim 1 of formula I wherein

R₁ and R₄ are hydrogen,

R₂ is C₁-C₄alkoxy-C₁-C₄alkoxy or C₁-C₄alkoxy-C₁-C₄alkyl,

R₃ is C₁-C₄alkyl or C₁-C₄alkoxy,

R₆ is amino,

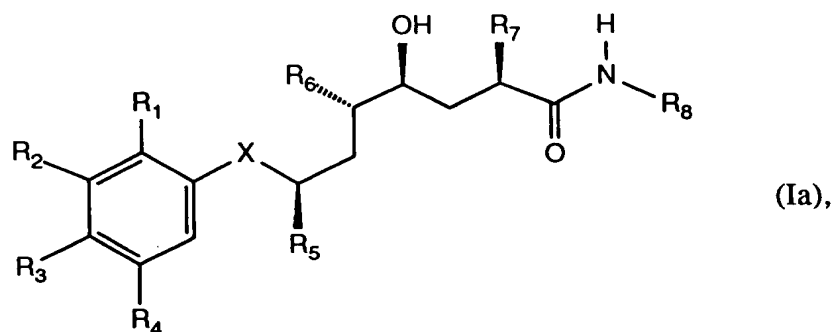
X is methylene,

R₅ and R₇ are branched C₁-C₄alkyl, and

R₈ is carbamoyl-C₁-C₄alkyl, N-C₁-C₄alkylcarbamoyl-C₁-C₄alkyl, N,N-di-C₁-C₄alkyl-carbamoyl-C₁-C₄alkyl, morpholino-C₁-C₄alkyl, thiomorpholino-C₁-C₄alkyl, 4-(1-C₁-C₄alkanoylpiperidyl)-C₁-C₄alkyl or 2-oxopyrrolidinyl-C₁-C₄alkyl,

or a salt thereof.

5. A compound according to claim 1 of formula I wherein at least one asymmetric carbon atom of the main chain has the stereochemical configuration shown in formula Ia



each of the variables being as defined in claim 1, or a pharmaceutically acceptable salt thereof.

6. A compound according to claim 1 of formula I wherein X is methylene, or a pharmaceutically acceptable salt thereof.

Sub A
7. A compound according to claim 1 being 5(S)-Amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid N-(3-morpholinopropyl)amide or a salt thereof.

8. A compound according to claim 1 being 5(S)-Amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid N-(2-morpholinoethyl)amide or a salt thereof.

9. A compound according to claim 1 being 5(S)-Amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid {N-[2-(N-methyl-carbamoyl)-1(R,S)-methyl-ethyl]}-amide or a salt thereof.

10. A compound according to claim 1 being 5(S)-Amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid N-(3-carbamoylpropyl)amide or a salt thereof.

11. A compound according to claim 1 being 5(S)-Amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid {N-[2(R)-(N-methyl-carbamoyl)-2(R)-methyl-ethyl]}-amide or a salt thereof.

12. A compound according to claim 1 being 5(S)-Amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid

N-(2-thiomorpholinoethyl)amide or a salt thereof.

13. A compound according to claim 1 being 5(S)-Amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid N-[2-(N,N-dimethyl-carbamoyl)ethyl]amide or a salt thereof.

14. A compound according to claim 1 being 5(S)-Amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid N-(2-carbamoyl-1(R,S)-methyl-ethyl)amide or a salt thereof.

15. A compound according to claim 1 being 5(S)-Amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid N-[2(R)-carbamoyl-2(R)-methyl-ethyl]-amide or a salt thereof.

16. A compound according to claim 1 being 5(S)-Amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid N-(2-carbamoyl-2,2-dimethyl-ethyl)amide or a salt thereof.

17. A compound according to claim 1 being 5(S)-Amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid N-[2-(N-acetyl)-piperidin-4-yl]ethyl]amide or a salt thereof.

18. A compound according to claim 1 being 5(S)-Amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid {N-[(N,N-dimethyl)-carbamoyl-methyl]}-amide or a salt thereof.

19. A compound according to claim 1 being 5(S)-Amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid N-[2(R,S)-(N-methylcarbamoyl)-2(R,S)-methyl-ethyl]-amide or a salt thereof.

20. A compound according to claim 1 being 5(S)-Amino-4(S),8(R,S)-dihydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(2-methoxymethoxyethyl)-phenyl]-octanoic acid (N-butyl)-amide or a salt thereof.

21. A compound according to claim 1 being 5(S)-Amino-4(S),8(S)-dihydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid

N-(2-carbamoyl-2,2-dimethyl-ethyl)-amide or a salt thereof.

22. A compound according to claim 1 being 5(S)-Amino-4(S),8(R)-dihydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid N-(2-carbamoyl-2,2-dimethyl-ethyl)-amide or a salt thereof.

23. A compound according to claim 1 being 5(S)-Amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid N-(2-carbamoyl-2,2-dimethyl-ethyl)-amide or a salt thereof.

24. A compound according to claim 1 being 5(S)-Amino-2(S),7(S)-diisopropyl-4(S)-hydroxy-8-[4-tert-butyl-3-(3-methoxypropoxy)-phenyl]-octanoic acid [N-2-(morpholin-4-yl)-ethyl]-amide or a salt thereof.

25. A compound according to claim 1 being 2(R,S)-methyl-4(S)-hydroxy-5(S)-amino-7(S)-isopropyl-8-(p-tert-butyl-phenyl)-octanoic acid (N-butyl)amide;

2(R,S)-methyl-4(S)-hydroxy-5(S)-amino-7(S)-ethyl-8-(p-tert-butyl-phenyl)-octanoic acid (N-butyl)amide;

2(R,S)-methyl-4(S)-hydroxy-5(S)-amino-7(S)-methyl-8-biphenyl-octanoic acid (N-butyl)-amide;

2(R,S)-methyl-4(S)-hydroxy-5(S)-amino-7(S)-ethyl-8-(4-propyloxymethyl-naphth-2-yl)-octanoic acid (N-butyl)amide;

2(R)-methyl-4(S)-hydroxy-5(S)-amino-7(S)-isopropyl-8-(3-hydroxy-4-tert-butyl-phenyl)-octanoic acid (N-butyl)amide;

2(R,S)-methyl-4(S)-hydroxy-5(S)-amino-7(S)-isopropyl-8-(2-hydroxy-4-tert-butyl-phenyl)-octanoic acid (N-butyl)amide;

2(R)-methyl-4(S)-hydroxy-5(S)-amino-7(S)-isopropyl-8-(3-ethoxycarbonylmethoxy-4-tert-butyl-phenyl)-octanoic acid (N-butyl)amide;

2(R)-methyl-4(S)-hydroxy-5(S)-amino-7(S)-isopropyl-8-(3-allyloxy-4-tert-butyl-phenyl)-

octanoic acid (N-butyl)amide;

2(R,S)-methyl-4(S)-hydroxy-5(S)-amino-7(S)-isopropyl-8-(3-methoxycarbonylallyloxy-4-tert-butyl-phenyl)-octanoic acid (N-butyl)amide;

2(R,S)-methyl-4(S)-hydroxy-5(S)-amino-7(S)-isopropyl-8-(3-methoxycarbonylmethoxy-4-tert-butyl-phenyl)-octanoic acid (N-butyl)amide;

2(R,S)-methyl-4(S)-hydroxy-5(S)-amino-7(S)-isopropyl-8-(3-carbamoyl-methoxy-4-tert-butyl-phenyl)-octanoic acid (N-butyl)amide;

2(R,S)-methyl-4(S)-hydroxy-5(S)-amino-7(S)-isopropyl-8-[3-(pyrid-2-yl-methoxy)-4-tert-butyl-phenyl]-octanoic acid (N-butyl)amide;

2(R,S)-methyl-4(S)-hydroxy-5(S)-amino-7(S)-isopropyl-8-[3-(pyrid-4-yl-methoxy)-4-tert-butyl-phenyl]-octanoic acid (N-butyl)amide;

2(R,S)-methyl-4(S)-hydroxy-5(S)-amino-7(S)-isopropyl-8-[3-(N-oxido-pyrid-2-yl-methoxy)-4-tert-butyl-phenyl]-octanoic acid (N-butyl)amide;

2(R,S)-methyl-4(S)-hydroxy-5(S)-amino-7(S)-isopropyl-8-[3-(2-ethoxycarbonylallyloxy)-4-tert-butyl-phenyl]-octanoic acid (N-butyl)amide;

2(R,S)-methyl-4(S)-hydroxy-5(S)-amino-7(S)-isopropyl-8-[3-(2-ethoxycarbonylpropyloxy)-4-tert-butyl-phenyl]-octanoic acid (N-butyl)amide;

2(R,S)-methyl-4(S)-hydroxy-5(S)-amino-7(S)-isopropyl-8-[3-(methylthio-methoxy)-4-tert-butyl-phenyl]-octanoic acid (N-butyl)amide;

2(R,S)-methyl-4(S)-hydroxy-5(S)-amino-7(S)-isopropyl-8-[3-(methylsulfonyl-methoxy)-4-tert-butyl-phenyl]-octanoic acid (N-butyl)amide;

2(R,S)-methyl-4(S)-hydroxy-5(S)-amino-7(S)-isopropyl-8-[3-(carboxy-methoxy)-4-tert-butyl-phenyl]-octanoic acid (N-butyl)amide;

2(R,S)-methyl-4(S)-hydroxy-5(S)-amino-7(S)-isopropyl-8-[3-(3,3-dimethyl-2-oxo-butyl-

Sub²

oxy)-4-tert-butyl-phenyl]-octanoic acid (N-butyl)amide;

2(R,S)-methyl-4(S)-hydroxy-5(S)-amino-7(S)-isopropyl-8-[3-(2-nitrobenzyloxy)-4-tert-butyl-phenyl]-octanoic acid (N-butyl)amide;

2(R,S)-methyl-4(S)-hydroxy-5(S)-amino-7(S)-isopropyl-8-[3-(2-aminobenzyloxy)-4-tert-butyl-phenyl]-octanoic acid (N-butyl)amide;

2(R,S)-methyl-4(S)-hydroxy-5(S)-amino-7(S)-isopropyl-8-[3-(3-chloro-2(R,S)-hydroxy-propyloxy)-4-tert-butyl-phenyl]-octanoic acid (N-butyl)amide;

2(R,S)-methyl-4(S)-hydroxy-5(S)-amino-7(S)-isopropyl-8-[3-(3-methylthio-2(S,R)-hydroxypropyloxy)-4-tert-butyl-phenyl]-octanoic acid (N-butyl)amide;

2(R,S)-methyl-4(S)-hydroxy-5(S)-amino-7(S)-isopropyl-8-[3-(3-methylsulfonyl-2(S,R)-hydroxypropyloxy)-4-tert-butyl-phenyl]-octanoic acid (N-butyl)amide;

2(R)-methyl-4(S)-hydroxy-5(S)-amino-7(S)-isopropyl-8-[3-(methylsulfonyl-methoxy)-4-tert-butyl-phenyl]-octanoic acid (N-3-morpholino-propyl)amide;

2(R)-methyl-4(S)-hydroxy-5(S)-amino-7(S)-isopropyl-8-(3-methoxycarbonylmethoxy-phenyl)-octanoic acid (N-butyl)amide;

2(R)-methyl-4(S)-hydroxy-5(S)-amino-7(S)-isopropyl-8-[3-(methoxycarbonylmethoxy)-4-methoxy-phenyl]-octanoic acid (N-butyl)amide;

2(R)-methyl-4(S)-hydroxy-5(S)-amino-7(S)-isopropyl-8-[3-(N-methyl-carbamoyl-methoxy)-4-methoxy-phenyl]-octanoic acid (N-butyl)amide;

2(R)-methyl-4(S)-hydroxy-5(S)-amino-7(S)-isopropyl-8-[3-(3-methylsulfonyl-propyloxy)-4-methoxy-phenyl]-octanoic acid (N-butyl)amide;

2(R)-methyl-4(S)-hydroxy-5(S)-amino-7(S)-isopropyl-8-[3-(methylsulfonyl-methoxy)-4-methoxy-phenyl]-octanoic acid (N-butyl)amide;

2(R)-methyl-4(S)-hydroxy-5(S)-amino-7(S)-isopropyl-8-[3-(3-methoxy-propyloxy)-

4-methoxy-phenyl]-octanoic acid (N-butyl)amide;

2(R)-methyl-4(S)-hydroxy-5(S)-amino-7(S)-isopropyl-8-[3-(2-methoxy-ethoxy)-4-methoxy-phenyl]-octanoic acid (N-butyl)amide;

2(R)-methyl-4(S)-hydroxy-5(S)-amino-7(S)-isopropyl-8-[3-(3-hydroxy-propyloxy)-4-methoxy-phenyl]-octanoic acid (N-butyl)amide;

2(R)-methyl-4(S)-hydroxy-5(S)-amino-7(S)-isopropyl-8-[3-(carbamoylmethoxy)-4-methoxy-phenyl]-octanoic acid (N-butyl)amide;

2(R)-methyl-4(S)-hydroxy-5(S)-amino-7(S)-isopropyl-8-(3-cyanomethoxy-4-methoxy-phenyl)-octanoic acid (N-butyl)amide;

2(R)-methyl-4(S)-hydroxy-5(S)-amino-7(S)-isopropyl-8-[3-(4-methoxy-butoxy)-4-methoxy-phenyl]-octanoic acid (N-butyl)amide;

2(R)-methyl-4(S)-hydroxy-5(S)-amino-7(S)-isopropyl-8-[3-(2-ethoxy-ethoxy)-4-methoxy-phenyl]-octanoic acid (N-butyl)amide;

2(R)-methyl-4(S)-hydroxy-5(S)-amino-7(S)-isopropyl-8-{3-[2-(2-methoxy-ethoxy)-ethoxy]-4-methoxy-phenyl}-octanoic acid (N-butyl)amide;

2(R)-methyl-4(S)-hydroxy-5(S)-amino-7(S)-isopropyl-8-(3-pentyloxy-4-methoxy-phenyl)-octanoic acid (N-butyl)amide;

2(R)-methyl-4(S)-hydroxy-5(S)-amino-7(S)-isopropyl-8-(3-benzyloxy-4-methoxy-phenyl)-octanoic acid (N-butyl)amide;

2(R)-methyl-4(S)-hydroxy-5(S)-amino-7(S)-isopropyl-8-[3-(3-ethoxy-propyloxy)-4-methoxy-phenyl]-octanoic acid (N-butyl)amide;

2(R)-methyl-4(S)-hydroxy-5(S)-amino-7(S)-isopropyl-8-[3-(pyrid-4-ylmethoxy)-4-methoxy-phenyl]-octanoic acid (N-butyl)amide;

2(R,S)-methyl-4(S)-hydroxy-5(S)-amino-7(S)-isopropyl-8-(2-ethoxycarbonylmethoxy-

4-tert-butyl-phenyl)-octanoic acid (N-butyl)amide;

2(R,S)-methyl-4(S)-hydroxy-5(S)-amino-7(S)-isopropyl-8-(2-ethoxycarbonyl-4-tert-butyl-phenyl)-octanoic acid (N-butyl)amide;

2(R)-methyl-4(S)-hydroxy-5(S)-amino-7(S)-isopropyl-8-[3-(3-methoxy-propyloxy)-4,5-ethylenedioxy-phenyl]-octanoic acid (N-butyl)amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-(3-hydroxypropyloxy)-3-(3-methoxy-propyloxy)-phenyl]-octanoic acid [N-(2-carbamoyl-2,2-dimethyl-ethyl)]-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-isopropyl-3-(3-methoxypropyloxy)-phenyl]-octanoic acid [N-(2-carbamoyl-2,2-dimethyl-ethyl)]-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-tert-butyl-3-(3-methoxy-propyloxy)-phenyl]-octanoic acid [N-(2-carbamoyl-2,2-dimethyl-ethyl)]-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-(3-methylsulfonyl-propyloxy)-3-(3-methoxy-propyloxy)-phenyl]-octanoic acid (N-2-morpholinoethyl)amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-(3-methylsulfonyl-propyloxy)-3-(3-methoxy-propyloxy)-phenyl]-octanoic acid [N-(2-carbamoyl-2,2-dimethyl-ethyl)]-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[3,4-di(3-hydroxypropyloxy)phenyl]-octanoic acid (N-2-morpholinoethyl)amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[3,4-di(3-hydroxypropyloxy)phenyl]-octanoic acid [N-(2-carbamoyl-2,2-dimethyl-ethyl)]-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-(3-N-methylcarbamoyl-propyl)-3-(3-methoxy-propyloxy)-phenyl]-octanoic acid (N-2-morpholinoethyl)amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-(2-morpholinoethoxy)-3-(3-methoxy-propyloxy)-phenyl]-octanoic acid [N-(2-carbamoyl-2,2-dimethyl-ethyl)]-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[3-(3-methoxypropyloxy)-4,5-ethylene-

dioxy-phenyl]-octanoic acid (N-2-morpholinoethyl)amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[3-(3-methoxypropyloxy)-4,5-ethylene-dioxy-phenyl]-octanoic acid [N-(2-carbamoyl-2,2-dimethyl-ethyl)]-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[3-(3-methoxy-propyloxy)-4,5-methylenedioxy-phenyl]-octanoic acid (N-2-morpholinoethyl)amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[3-(3-methoxypropyloxy)-4,5-methylenedioxy-phenyl]-octanoic acid [N-(2-carbamoyl-2,2-dimethyl-ethyl)]amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid [N-(2-carbamoyl-2,2-ethylene-ethyl)]-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxy-propyloxy)-phenyl]-octanoic acid [N-(3(S)-2-oxo-pyrrolidin-3-yl-methyl)]amide;

5(S)-amino-4(S)-hydroxy-7(S)-isopropyl-2(R)-methyl-8-[4-methoxy-3-(4-methoxy-but-2-eneoxy)-phenyl]-octanoic acid (N-butyl)amide;

5(S)-amino-4(S)-hydroxy-7(S)-isopropyl-2(R)-methyl-8-[4-hydroxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid (N-butyl)amide;

5(S)-amino-4(S)-hydroxy-7(S)-isopropyl-2(R)-methyl-8-[4-benzyloxy-3-(3-methoxy-propyloxy)-phenyl]-octanoic acid (N-butyl)amide;

5(S)-amino-4(S)-hydroxy-7(S)-isopropyl-2(R)-methyl-8-[3,4-di(3-methoxypropyloxy)-phenyl]-octanoic acid (N-butyl)amide;

5(S)-amino-4(S)-hydroxy-7(S)-isopropyl-2(R)-methyl-8-[4-(2,2,2-trifluoroethoxy)-3-(3-methoxypropyloxy)-phenyl]-octanoic acid (N-butyl)amide;

5(S)-amino-4(S)-hydroxy-7(S)-isopropyl-2(R)-methyl-8-[4-(3-hydroxy-propyloxy)-3-(3-methoxypropyloxy)-phenyl]-octanoic acid (N-butyl)amide;

5(S)-amino-4(S)-hydroxy-7(S)-isopropyl-2(R)-methyl-8-[4-(2-amino-ethoxy)-

3-(3-methoxypropyloxy)-phenyl]-octanoic acid (N-butyl)amide;

5(S)-amino-4(S)-hydroxy-7(S)-isopropyl-2(R)-methyl-8-[4-(5-amino-pentyloxy)-
3-(3-methoxypropyloxy)-phenyl]-octanoic acid (N-butyl)amide;

5(S)-amino-4(S)-hydroxy-7(S)-isopropyl-2(R)-methyl-8-[4-(4-amino-butyloxy)-
3-(3-methoxypropyloxy)-phenyl]-octanoic acid (N-butyl)amide;

5(S)-amino-4(S)-hydroxy-7(S)-isopropyl-2(R)-methyl-8-[4-(4-N,N-dimethylamino-butyl-
oxy)-3-(3-methoxypropyloxy)-phenyl]-octanoic acid (N-butyl)amide;

5(S)-amino-4(S)-hydroxy-7(S)-isopropyl-2(R)-methyl-8-{4-[4-N-(trifluoromethane-
sulfonylaminobutyloxy)-3-(3-methoxypropyloxy)-phenyl]}-octanoic acid (N-butyl)amide;

5(S)-amino-4(S)-hydroxy-7(S)-isopropyl-2(R)-methyl-8-[4-carboxymethoxy-
3-(3-methoxypropyloxy)-phenyl]-octanoic acid (N-butyl)amide;

5(S)-amino-4(S)-hydroxy-7(S)-isopropyl-2(R)-methyl-8-[4-(3-ethoxycarbonyl-propyl-
oxy)-3-(3-methoxy-propyloxy)-phenyl]-octanoic acid (N-butyl)amide;

5(S)-amino-4(S)-hydroxy-7(S)-isopropyl-2(R)-methyl-8-[4-(3-carboxy-propyloxy)-
3-(3-methoxypropyloxy)-phenyl]-octanoic acid (N-butyl)amide;

5(S)-amino-4(S)-hydroxy-7(S)-isopropyl-2(R)-methyl-8-[4-(4-methoxycarbonylbutyl-
oxy)-3-(3-methoxypropyloxy)-phenyl]-octanoic acid (N-butyl)amide;

5(S)-amino-4(S)-hydroxy-7(S)-isopropyl-2(R)-methyl-8-[4-(4-carboxy-butyloxy)-
3-(3-methoxypropyloxy)-phenyl]-octanoic acid (N-butyl)amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-
phenyl]-octanoic acid (N-butyl)amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(2-methoxymethoxy-
ethyl)-phenyl]-octanoic acid (N-butyl)amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-(3-hydroxypropyloxy)-

3-(3-methoxypropyloxy)-phenyl]-octanoic acid N-(2-morpholinoethyl)amide;

5(S)-amino-4(S)-hydroxy-7(S)-isopropyl-2(R)-methyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid N-[2-(4-hydroxypiperidin-1-yl)ethyl]amide dihydrochloride;

5(S)-amino-4(S)-hydroxy-7(S)-isopropyl-2(R)-methyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid N-[2-(trans-2,6-dimethyl-morpholino)ethyl]amide;

5(S)-amino-4(S)-hydroxy-7(S)-isopropyl-2(R)-methyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid N-[2-(cis-2,6-dimethyl-morpholino)ethyl]amide;

5(S)-amino-4(S)-hydroxy-7(S)-isopropyl-2(R)-methyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid N-(2-piperidinoethyl)amide;

5(S)-amino-4(S)-hydroxy-7(S)-isopropyl-2(R)-methyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid N-[2-(4-methoxypiperidino)-ethyl]-amide;

5(S)-amino-4(S)-hydroxy-7(S)-isopropyl-2(R)-methyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid N-(2-thiomorpholinoethyl)amide;

5(S)-amino-4(S)-hydroxy-7(S)-isopropyl-2(R)-methyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid [N-(3-hydroxypropyl)]amide;

5(S)-amino-4(S)-hydroxy-7(S)-isopropyl-2(R)-methyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid [N-(4-acetoxybutyl)]amide;

5(S)-amino-4(S)-hydroxy-7(S)-isopropyl-2(R)-methyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid [N-(3-cyanopropyl)]amide;

5(S)-amino-4(S)-hydroxy-7(S)-isopropyl-2(R)-methyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid [N-(3-methoxypropyl)]amide;

5(S)-amino-4(S)-hydroxy-7(S)-isopropyl-2(R)-methyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid [N-(2-acetyl-amino-ethyl)]amide;

5(S)-amino-4(S)-hydroxy-7(S)-isopropyl-2(R)-methyl-8-[4-methoxy-3-(3-methoxypropyl-

oxy)-phenyl]-octanoic acid {N-[2-(2-pyridyl)-ethyl]}amide;

5(S)-amino-4(S)-hydroxy-7(S)-isopropyl-2(R)-methyl-8-[4-methoxy-3-(3-methoxypropyl-oxy)-phenyl]-octanoic acid N-[2-(N-oxomorpholino)ethyl]amide;

5(S)-amino-4(S)-hydroxy-7(S)-isopropyl-2(R)-methyl-8-[4-methoxy-3-(3-methoxypropyl-oxy)-phenyl]-octanoic acid {N-[3-(tert-butylsulfonyl)-propyl]}amide;

5(S)-amino-4(S)-hydroxy-7(S)-isopropyl-2(R)-methyl-8-[4-methoxy-3-(3-methoxypropyl-oxy)-phenyl]-octanoic acid {N-[3-(ethylsulfonyl)-propyl]}-amide;

5(S)-amino-4(S)-hydroxy-7(S)-isopropyl-2(R)-methyl-8-[4-methoxy-3-(3-methoxypropyl-oxy)-phenyl]-octanoic acid {N-[2-(ethylsulfonyl)-ethyl]}-amide;

5(S)-amino-4(S)-hydroxy-7(S)-isopropyl-2(R)-methyl-8-[4-methoxy-3-(3-methoxypropyl-oxy)-phenyl]-octanoic acid {N-[2-(N-butylsulfonyl)-ethyl]}-amide;

5(S)-amino-4(S)-hydroxy-7(S)-isopropyl-2(R)-methyl-8-[4-methoxy-3-(3-methoxypropyl-oxy)-phenyl]-octanoic acid {N-[2-(N,N-dimethylsulfonyl)-ethyl]}-amide;

5(S)-amino-4(S)-hydroxy-7(S)-isopropyl-2(R)-methyl-8-[4-methoxy-3-(3-methoxypropyl-oxy)-phenyl]-octanoic acid {N-[3-(1H-tetrazol-5-yl)-propyl]}-amide;

5(S)-amino-4(S)-hydroxy-7(S)-isopropyl-2(R)-methyl-8-[4-methoxy-3-(3-methoxypropyl-oxy)-phenyl]-octanoic acid {N-[3-(1H-imidazol-5-yl)-propyl]}-amide;

5(S)-amino-4(S)-hydroxy-7(S)-isopropyl-2(R)-methyl-8-[4-methoxy-3-(3-methoxypropyl-oxy)-phenyl]-octanoic acid {N-[3-(3-methyl-1,2,4-oxadiazol-5-yl)-propyl]}-amide;

5(S)-amino-4(S)-hydroxy-7(S)-isopropyl-2(R)-methyl-8-[4-methoxy-3-(3-methoxypropyl-oxy)-phenyl]-octanoic acid [N-(3-aminopropyl)]-amide;

5(S)-amino-4(S)-hydroxy-7(S)-isopropyl-2(R)-methyl-8-[4-methoxy-3-(3-methoxypropyl-oxy)-phenyl]-octanoic acid [N-[2-dimethylamino-ethyl]]-amide;

5(S)-amino-4(S)-hydroxy-7(S)-isopropyl-2(R)-methyl-8-[4-methoxy-3-(3-methoxypropyl-

oxy)-phenyl]-octanoic acid N-(2-morpholinoethyl)amide;

5(S)-amino-4(S)-hydroxy-7(S)-isopropyl-2(R)-methyl-8-[4-methoxy-3-(3-methoxypropyl-oxy)-phenyl]-octanoic acid N-(3-morpholinopropyl)amide;

5(S)-amino-4(S)-hydroxy-7(S)-isopropyl-2(R)-methyl-8-[4-methoxy-3-(3-methoxypropyl-oxy)-phenyl]-octanoic acid N-[2-(1,1-dioxothiomorpholino)ethyl]amide;

5(S)-amino-4(S)-hydroxy-7(S)-isopropyl-2(R)-methyl-8-[4-methoxy-3-(3-methoxypropyl-oxy)-phenyl]-octanoic acid N-(2-ethoxycarbonyl)ethyl)amide;

5(S)-amino-4(S)-hydroxy-7(S)-isopropyl-2(R)-methyl-8-[4-methoxy-3-(3-methoxypropyl-oxy)-phenyl]-octanoic acid [N-(2-carboxy-ethyl)]-amide;

5(S)-amino-4(S)-hydroxy-7(S)-isopropyl-2(R)-methyl-8-[4-methoxy-3-(3-methoxypropyl-oxy)-phenyl]-octanoic acid [N-(3-methoxycarbonyl-ethyl)]-amide;

5(S)-amino-4(S)-hydroxy-7(S)-isopropyl-2(R)-methyl-8-[4-methoxy-3-(3-methoxypropyl-oxy)-phenyl]-octanoic acid [N-(3-carboxypropyl)]-amide;

5(S)-amino-4(S)-hydroxy-7(S)-isopropyl-2(R)-methyl-8-[4-methoxy-3-(3-methoxypropyl-oxy)-phenyl]-octanoic acid [N-(2-carbamoyl)ethyl)]-amide;

5(S)-amino-4(S)-hydroxy-7(S)-isopropyl-2(R)-methyl-8-[4-methoxy-3-(3-methoxypropyl-oxy)-phenyl]-octanoic acid [N-(4-carbamoylbutyl)]-amide;

5(S)-amino-4(S)-hydroxy-7(S)-isopropyl-2(R)-methyl-8-[4-methoxy-3-(3-methoxypropyl-oxy)-phenyl]-octanoic acid N-{3-[N-(2-methoxyethyl)carbamoyl]propyl}amide;

5(S)-amino-4(S)-hydroxy-7(S)-isopropyl-2(R)-methyl-8-[4-methoxy-3-(3-methoxypropyl-oxy)-phenyl]-octanoic acid N-(4-morpholino-4-oxo-butyl)amide;

5(S)-amino-4(S)-hydroxy-7(S)-isopropyl-2(R)-methyl-8-[4-methoxy-3-(3-methoxypropyl-oxy)-phenyl]-octanoic acid [N-(2-carbamoyl-2,2-dimethyl-ethyl)]-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-

phenyl]-octanoic acid N-(1,1-dimethyl-2-morpholino-ethyl)amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid N-[1(R,S)-methyl-2-morpholino-ethyl]amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid [N-(1-carbamoyl-1-methyl-ethyl)]-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid [N-(1-carbamoyl-methyl)]-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid [N-(2-carbamoyl-ethyl)]-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid N-[2-(N-methyl-carbamoyl)ethyl]amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid N-(3-morpholino-3-oxo-propyl)amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid {N-[2-(N,N-dimethyl-carbamoyl)-1(R,S)-methyl-ethyl]}-amide;

(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid [N-(2-carbamoyl-1(R)-isopropyl-ethyl)]-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid {N-[2-(N-methylcarbamoyl)-1(R)-isopropyl-ethyl]}-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid {N-[2-(N,N-dimethylcarbamoyl)-1(R)-isopropyl-ethyl]}-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid [N-(1(S)-carbamoyl-2-hydroxy-ethyl)]-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-

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phenyl]-octanoic acid [N-(1(S),2-dicarbamoyl-ethyl)]-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid [N-(1(S),3-dicarbamoyl-propyl)]-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid [N-(1(S)-carbamoyl-propyl)]-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid [N-(1(S)-carbamoyl-2(S)-methyl-butyl)]-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid N-[2(R,S)-carbamoyl-2(R,S)-methyl-ethyl]-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid [N-(2-carbamoyl-1(S)-methyl-ethyl)]-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid [N-(2-carbamoyl-1(R)-methyl-ethyl)]-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid N-[2(S)-carbamoyl-2(S)-methyl-ethyl]-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid {N-[2(S)-(N-methyl-carbamoyl)-2(S)-methyl-ethyl]}-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid [N-(2-carboxy-2,2-dimethyl-ethyl)]-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid [N-(2-carboxy-2,2-diethyl-ethyl)]-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid N-[(1-carboxy-cyclopentyl)-methyl]amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-

phenyl]-octanoic acid {N-[2-(1H-tetrazol-5-yl)-ethyl]}-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid N-[1(S)-(5-oxopyrrolidin-2-yl)methyl]-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid N-[1(R)-(5-oxopyrrolidin-2-yl)methyl]-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid N-[N-(morpholin-4-yl)carbamoyl-methyl]amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid [N-(1(S)-carbamoyl-ethyl)]-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid N-{1(S)-[(N-methyl)-carbamoyl]-ethyl}-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid N-{1(S)-[(N,N-dimethyl)-carbamoyl]-ethyl}-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid N-{1(S)-N-[(morpholin-4-yl)-carbamoyl]ethyl}amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid N-[1(S)-carbamoyl-butyl]amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid N-[1(S)-carbamoyl-2-methyl-propyl]-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid N-[1(S)-(N-methylcarbamoyl)-2-methyl-propyl]amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid N-[1(S)-(N,N-dimethylcarbamoyl)-2-methyl-propyl]amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-

phenyl]-octanoic acid N-{1(S)-[N-(morpholin-4-yl)carbamoyl]-2-methyl-propyl}amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid N-[2-(N-methylsulfonyl)ethyl]amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid N-{2-[N-(morpholin-4-yl)-sulfonyl]ethyl}amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid N-[(N-acetyl-piperidin-4-yl)methyl]amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(4-methoxy-butyl)-phenyl]-octanoic acid N-(2-carbamoyl-2,2-dimethyl-ethyl)amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid N-[2-(N,N-dimethylcarbamoyl)ethyl]amide or

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(4-methoxybutyl)-phenyl]-octanoic acid N-(2-morpholinoethyl)amide,

or in each case a salt thereof.

26. A compound according to claim 1 being 5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxy-propyloxy)-phenyl]-octanoic acid [N-(3(R)-2-oxo-pyrrolidin-3-yl-methyl)]-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxy-propyloxy)-phenyl]-octanoic acid [N-(3(S)-2-oxo-piperidin-3-yl-methyl)]-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxy-propyloxy)-phenyl]-octanoic acid [N-(3(R)-2-oxo-piperidin-3-yl-methyl)]-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxy-propyloxy)-phenyl]-octanoic acid [N-(3-carbamoyl-3,3-dimethyl-propyl)]-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(4-methoxy-butyl)-

Sub B²

phenyl]-octanoic acid [N-(5(S)-2-pyrrolidinon-5-yl-methyl)]-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3- (4-methoxy-butyl)-phenyl]-octanoic acid [N-(5(R)-2-pyrrolidinon-5-yl-methyl)]-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3- (3-methoxy-propyl-oxy)-phenyl]-octanoic acid [N-(6(S)-2-oxo-piperidin-6-yl-methyl)]-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3- (3-methoxy-propyl-oxy)-phenyl]-octanoic acid [N-(6(R)-2-oxo-piperidin-6-yl-methyl)]-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3- (3-methoxy-propyl-oxy)-phenyl]-octanoic acid [N-(2-thiazol-2-yl-ethyl)]-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3- (3-methoxy-propyl-oxy)-phenyl]-octanoic acid [N-(4(S)-2-oxazolidinon-4-yl-methyl)]-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxy-propyloxy)-phenyl]-octanoic acid [N-(4(R)-2-oxazolidinon-4-yl-methyl)]-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxy-propyloxy)-phenyl]-octanoic acid [N-(3(S)-2,5-dioxo-pyrrolidin-3-yl-methyl)]-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3- (3-methoxy-propyl-oxy)-phenyl]-octanoic acid [N-(3(R)-2,5-dioxo-pyrrolidin-3-yl-methyl)]-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3- (3-methoxy-propyl-oxy)-phenyl]-octanoic acid [N-(2,6-dioxo-piperidin-4-yl-methyl)]-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxy-propyloxy)-phenyl]-octanoic acid [N-(4(S)-2-oxothiazolidin-4-yl-methyl)]-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[3-(3-methoxypropoxy)-4,5-ethylene-dioxy-phenyl]-octanoic acid N-(2-carbamoyl-2,2-dimethyl-ethyl)-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxy-propyloxy)-

phenyl]-octanoic acid [N-(4(R)-2-oxothiazolidin-4-yl-methyl)]-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxy-propyloxy)-phenyl]-octanoic acid [N-(tetrahydro-2-pyrimidon-5-yl-methyl)]-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxy-propyloxy)-phenyl]-octanoic acid [N-(N-acetyl-2-amino-2-methyl-propyl)]-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxy-propyloxy)-phenyl]-octanoic acid [N-(N-formyl-2-amino-2-methyl-propyl)]-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxy-propyloxy)-phenyl]-octanoic acid [N-(4-acetyl-piperazinyl-ethyl)]-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxy-propyloxy)-phenyl]-octanoic acid [N-(2,4-imidazolin-5-yl-methyl)]-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(4-methoxy-butyl)-phenyl]-octanoic acid [N-(2-hydroxy-pyridin-6-yl-methyl)]-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxy-propyloxy)-phenyl]-octanoic acid [N-(2,2-dimethyl-2-sulfamoyl-ethyl)]-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxy-propyloxy)-phenyl]-octanoic acid [N-(2,2-dimethyl-2-(N,N-dimethyl)-sulfamoyl-ethyl)]-amide hydrochloride;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxy-propyloxy)-phenyl]-octanoic acid [N-(2-oxo-piperidin-3(R)-yl)]-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxy-propyloxy)-phenyl]-octanoic acid [N-(2-oxo-piperidin-3(S)-yl)]-amide;

5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxy-propyloxy)-phenyl]-octanoic acid [N-(2-oxo-piperidin-4-yl)]-amide;

Sub²
5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(3-methoxy-propyloxy)-phenyl]-octanoic acid [N-(N-acetyl-piperidin-4-yl)]-amide or

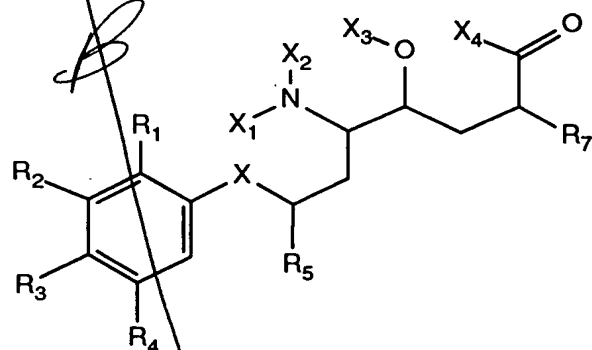
5(S)-amino-4(S)-hydroxy-2(S),7(S)-diisopropyl-8-[4-methoxy-3-(4-methoxy-but-1-en-yl)-phenyl]-octanoic acid [N-(2-carbamoyl-2,2-dimethyl-ethyl)]-amide

or in each case a salt thereof.

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27. A pharmaceutical composition comprising as pharmaceutical active ingredient a compound according to claim 1 in free form or in pharmaceutically acceptable salt form, together with one or more customary pharmaceutical excipient(s).

Sub³
28. ~~A method of treating hypertension, congestive heart failure, cardiac hypertrophy, cardiac fibrosis, cardiomyopathy postinfarction, complications resulting from diabetes, vasculopathy, neuropathy, diseases of the coronary vessels, restenosis following angioplasty, raised intra-ocular pressure, glaucoma, abnormal vascular growth, hyperaldosteronism, anxiety states or cognitive disorders, characterized in that a therapeutically effective amount of a compound according to claim 1 in the free form or in the form of a pharmaceutically acceptable salt is administered to a warm-blooded organism in need of such treatment.~~

29. A compound of formula II



(II),

wherein

R₁ is hydrogen, hydroxy, lower alkoxy, cycloalkoxy, lower alkoxy-lower alkoxy or free or esterified or amidated carboxy-lower alkoxy,

R₂ is hydrogen, lower alkyl, cycloalkyl, lower alkoxy-lower alkyl, lower alkoxy-lower alkoxy-lower alkyl, cycloalkoxy-lower alkyl, hydroxy, optionally lower alkanoylated,

halogenated or sulfonylated hydroxy-lower alkoxy; amino-lower alkyl that is unsubstituted or substituted by lower alkyl, by lower alkanoyl and/or by lower alkoxy-carbonyl; amino-lower alkoxy that is substituted by lower alkyl, by lower alkanoyl and/or by lower alkoxy-carbonyl; oxo-lower alkoxy, lower alkoxy, cycloalkoxy, lower alkenyloxy, cycloalkoxy-lower alkoxy, lower alkoxy-lower alkoxy, lower alkoxy-lower alkenyl, lower alkenyloxy-lower alkoxy, lower alkoxy-lower alkoxy, lower alkenyloxy-lower alkyl, lower alkanoyl-lower alkoxy, optionally S-oxidised lower alkylthio-lower alkoxy, lower alkylthio-(hydroxy)-lower alkoxy, aryl-lower alkoxy, cyano-lower alkoxy, free or esterified or amidated carboxy-lower alkoxy or free or esterified or amidated carboxy-lower alkyl,

- R₃ is optionally halogenated lower alkyl, lower alkoxy-lower alkyl, cycloalkoxy-lower alkyl, hydroxy-lower alkyl, optionally S-oxidised lower alkylthio-lower alkyl, optionally hydrogenated heteroaryl-lower alkyl, optionally hydrogenated heteroaryl-thio-lower alkyl; amino-lower alkyl that is unsubstituted or N-mono- or N,N-di-lower alkylated, N-lower alkanoylated or N-lower alkanesulfonylated or N,N-disubstituted by lower alkylene, by unsubstituted or N'-lower alkylated or N'-lower alkanoylated aza-lower alkylene, by oxa-lower alkylene or by optionally S-oxidised thia-lower alkylene; cyano-lower alkyl, free or esterified or amidated carboxy-lower alkyl, cycloalkyl, aryl, hydroxy, lower alkoxy, cycloalkoxy, lower alkoxy-lower alkoxy, cycloalkoxy-lower alkoxy, hydroxy-lower alkoxy, aryl-lower alkoxy, optionally halogenated lower alkoxy, optionally S-oxidised lower alkylthio-lower alkoxy, optionally hydrogenated heteroaryl-lower alkoxy, optionally hydrogenated heteroaryl-thio-lower alkoxy; amino-lower alkoxy that is unsubstituted or N-mono- or N,N-di-lower alkylated, N-lower alkanoylated or N-lower alkanesulfonylated or substituted by lower alkylene, by unsubstituted or N'-lower alkylated or N'-lower alkanoylated aza-lower alkylene, by oxa-lower alkylene or by optionally S-oxidised thia-lower alkylene; cyano-lower alkoxy or free or esterified or amidated carboxy-lower alkoxy, or together with R₄ is lower alkylenedioxy or a fused-on benzo or cyclohexeno ring,
- R₄ together with R₃ is lower alkylenedioxy or a fused-on benzo or cyclohexeno ring, or is hydrogen, hydroxy or lower alkoxy,
- X is methylene or hydroxymethylene,
- R₅ is lower alkyl or cycloalkyl,
- R₇ is lower alkyl or aryl-lower alkyl,
- X₁ is an amino-protecting group,
- X₂ is hydrogen or together with X₃ is a bivalent protecting group,
- X₃ is hydrogen, a hydroxy-protecting group or together with X₂ is a bivalent protecting

group or together with X_4 is a direct bond, and
 X_4 is free or reactively etherified or esterified hydroxy or together with X_3 is a direct bond,
or a salt thereof.

30. A compound according to claim 29 of formula II wherein

R_1 is hydrogen, hydroxy, lower alkoxy, cycloalkoxy, lower alkoxy-lower alkoxy, carboxy-lower alkoxy, lower alkoxy-carbonyl-lower alkoxy, carbamoyl-lower alkoxy or N-mono- or N,N-di-lower alkylcarbamoyl-lower alkoxy,

R_2 is hydrogen, lower alkyl, cycloalkyl, lower alkoxy-lower alkyl, lower alkoxy-lower alkoxy-lower alkyl, cycloalkoxy-lower alkyl, hydroxy, lower alkanoyloxy-lower alkyl, hydroxy-lower alkoxy, halo-(hydroxy)-lower alkoxy, lower alkanesulfonyl-(hydroxy)-lower alkoxy, amino-lower alkyl, lower alkylamino-lower alkyl, di-lower alkylamino-lower alkyl, lower alkanoylamino-lower alkyl, lower alkoxy-carbonyl-amino-lower alkyl, amino-lower alkoxy, lower alkylamino-lower alkoxy, di-lower alkylamino-lower alkoxy, lower alkanoylamino-lower alkoxy, lower alkoxy-carbonyl-amino-lower alkoxy, oxo-lower alkoxy, lower alkoxy, cycloalkoxy, lower alkenyloxy, cycloalkoxy-lower alkoxy, lower alkoxy-lower alkoxy, lower alkoxy-lower alkenyl, lower alkenyloxy-lower alkoxy, lower alkoxy-lower alkoxy, lower alkenyloxy-lower alkyl, lower alkanoyl-lower alkoxy, lower alkylthio-lower alkoxy, lower alkane-sulfonyl-lower alkoxy, lower alkylthio-(hydroxy)-lower alkoxy, aryl-lower alkoxy, thiazolylthio-lower alkoxy or thiazolinylthio-lower alkoxy, imidazolylthio-lower alkoxy, optionally N-oxidised pyridylthio-lower alkoxy, pyrimidinylthio-lower alkoxy, cyano-lower alkoxy, lower alkoxy-carbonyl-lower alkoxy, carbamoyl-lower alkoxy, N-mono- or N,N-di-lower alkylcarbamoyl-lower alkoxy, carboxy-lower alkyl, lower alkoxy-carbonyl-lower alkyl, carbamoyl-lower alkyl or N-mono- or N,N-di-lower alkylcarbamoyl-lower alkyl,

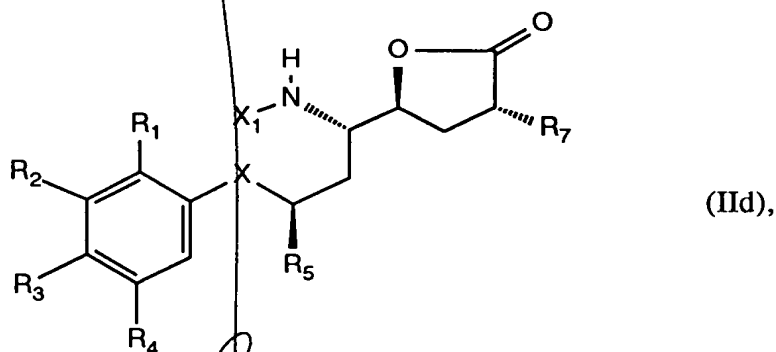
R_3 is lower alkyl, polyhalo-lower alkyl, lower alkoxy-lower alkyl, cycloalkoxy-lower alkyl, hydroxy-lower alkyl, lower alkylthio-lower alkyl, lower alkanesulfonyl-lower alkyl, optionally partially hydrogenated or N-oxidised pyridyl-lower alkyl, thiazolylthio-lower alkyl or thiazolinylthio-lower alkyl, imidazolylthio-lower alkyl, optionally N-oxidised pyridylthio-lower alkyl, pyrimidinylthio-lower alkyl, amino-lower alkyl, lower alkylamino-lower alkyl, di-lower alkylamino-lower alkyl, lower alkanoyl-amino-lower alkyl, lower alkanesulfonylamino-lower alkyl, polyhalo-lower alkane-sulfonylamino-lower alkyl, pyrrolidino-lower alkyl, piperidino-lower alkyl, piperazino-, N'-lower alkylpiperazino- or N'-lower alkanoylpiperazino-lower alkyl,

morpholino-lower alkyl, thiomorpholino-, S-oxothiomorpholino- or S,S-dioxothiomorpholino-lower alkyl, cyano-lower alkyl, carboxy-lower alkyl, lower alkoxy-carbonyl-lower alkyl, carbamoyl-lower alkyl, N-mono- or N,N-di-lower alkyl-carbamoyl-lower alkyl, cycloalkyl; phenyl or naphthyl that is unsubstituted or mono-, di- or tri-substituted by lower alkyl, lower alkoxy, hydroxy, lower alkylamino, di-lower alkylamino, halogen and/or by trifluoromethyl; hydroxy, lower alkoxy, cycloalkoxy, lower alkoxy-lower alkoxy, cycloalkoxy-lower alkoxy, hydroxy-lower alkoxy; phenyl-lower alkoxy or naphthyl-lower alkoxy that is unsubstituted or mono-, di- or tri-substituted by lower alkyl, lower alkoxy, hydroxy, lower alkylamino, di-lower alkylamino, halogen and/or by trifluoromethyl; lower alkoxy, polyhalo-lower alkoxy, lower alkylthio-lower alkoxy, lower alkanesulfonyl-lower alkoxy, optionally hydrogenated heteroaryl-lower alkoxy, optionally partially or fully hydrogenated heteroarylthio-lower alkoxy, such as thiazolylthio-lower alkoxy or thiazolinythio-lower alkoxy, imidazolylthio-lower alkoxy, optionally N-oxidised pyridylthio-lower alkoxy, pyrimidinylthio-lower alkoxy, amino-lower alkoxy, lower alkylamino-lower alkoxy, di-lower alkylamino-lower alkoxy, lower alkanoylamino-lower alkoxy, lower alkanesulfonylamino-lower alkoxy, polyhalo-lower alkanesulfonylamino-lower alkoxy, pyrrolidino-lower alkoxy, piperidino-lower alkoxy, piperazino-, N'-lower alkylpiperazino- or N'-lower alkanoylpiperazino-lower alkoxy, morpholino-lower alkoxy, thiomorpholino-, S-oxothiomorpholino- or S,S-dioxothiomorpholino-lower alkoxy, cyano-lower alkoxy, carboxy-lower alkoxy, lower alkoxycarbonyl-lower alkoxy, carbamoyl-lower alkoxy or N-mono- or N,N-di-lower alkylcarbamoyl-lower alkoxy, or together with R₄ is lower alkylenedioxy or a fused-on benzo or cyclohexeno ring,

- R₄ together with R₃ is lower alkylenedioxy or a fused-on benzo or cyclohexeno ring or is hydrogen, hydroxy or lower alkoxy,
- X is methylene or hydroxymethylene,
- R₅ is lower alkyl or cycloalkyl,
- R₇ is lower alkyl, or phenyl-lower alkyl that is unsubstituted or substituted by lower alkyl, lower alkoxy, hydroxy, halogen, nitro and/or by amino,
- X₁ is lower alkoxycarbonyl, or α -phenyl- or α,α -diphenyl-lower alkoxycarbonyl that is unsubstituted or substituted by lower alkyl, lower alkoxy, nitro and/or by halogen, or is 2-halo-lower alkoxycarbonyl,
- X₂ is hydrogen or together with X₃ is carbonyl or lower alkylidene,
- X₃ is hydrogen, tri-lower alkylsilyl or together with X₂ is carbonyl or lower alkylidene or together with X₄ is a direct bond, and

X₄ is lower alkoxy, phenyl-lower alkoxy or hydroxy or together with X₃ is a direct bond, or a salt thereof.

31. A compound according to claim 29 of formula IIId



wherein

R₁ and R₄ are hydrogen,

R₂ is C₁-C₄alkoxy-C₁-C₄alkoxy or C₁-C₄alkoxy-C₁-C₄alkyl,

R₃ is C₁-C₄alkyl or C₁-C₄alkoxy,

X is methylene,

R₅ and R₇ are branched C₁-C₄alkyl, and

X₁ is C₁-C₇alkoxycarbonyl,

or a salt thereof.

32. A compound according to claim 29 being 3(S)-Isopropyl-5(S)-{ 1(S)-tert-butoxycarbonylamino-3(S)-isopropyl-4-[4-(3-hydroxypropyloxy)-3-(3-methoxypropyloxy)-phenyl]-butyl }-tetrahydrofuran-2-one or a salt thereof.

33. A compound according to claim 29 being 3(S)-Isopropyl-5(S)-{ 1(S)-benzyloxycarbonylamino-3(S)-isopropyl-4-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-butyl }-tetrahydrofuran-2-one or a salt thereof.

34. A compound according to claim 29 being 5(S)-Tert-butoxycarbonylamino-4(S)-tert-butyldimethylsilyloxy-7(S)-isopropyl-2(R)-methyl-8-[4-methoxy-3-(3-methoxypropyloxy)-phenyl]-octanoic acid or a salt thereof.

35. A compound according to claim 29 being 5(S)-Tert-butoxycarbonylamino-4(S)-hydroxy-7(S)-isopropyl-2(R)-methyl-8-[4-methoxy-3-(3-methoxypropyloxy)-

phenyl]-octanoic acid or a salt thereof.

36. A compound according to ~~claim~~ ^B 29 being 2-{1(S)-Tert-butoxycarbonylamino-3(S)-isopropyl-4-[4-methoxy-3-(3-methoxy-propyloxy)-phenyl]-butyl}-4(R)-methyl-tetrahydrofuran-5-one or a salt thereof.

Add
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